

#### ABSTRACT OF THE DISCLOSURE

A targeting system has a targeting device for a locking nail which is proximally provided with cross-bores the axes of which are disposed in an offset relationship from each other by predetermined distances and/or by predetermined angles. The apparatus has a target arm having at least one target bore and a holding device mounted on the target arm to engage the distal end of the nail. The holding device has a reception bore in which a retaining or locating bar is guided. The locating bar extends in parallel with the target arm and generally perpendicular to the cross-bore. The locating bar has fasteners to fix it to the nail. The retaining bar has several recesses in the area of the reception bore. The reception bore has associated therewith a radially movable locking element or detent element which can be moved into engagement with one of the recesses by use of a handle to locate the axial and rotational positions of the retaining bar in the reception bore. The arrangement of the recesses is such that the target bore of the arm is aligned with a cross-bore of the nail when the locking element engages a recess. The handle has a cam device which signals whether the locking element is in engagement with a recess or is not in engagement therewith.